

From: [LaVigne, Paul](#)
To: [Blend, Jeff](#); [Tina Laidlaw/MO/R8/USEPA/US@EPA](#)
Subject: RE:
Date: 08/19/2011 08:53 AM

Those unit processes would produce effluent typically better than a lagoon. So, yes.

-----Original Message-----

From: Blend, Jeff
Sent: Friday, August 19, 2011 7:48 AM
To: Laidlaw.Tina@epamail.epa.gov
Cc: LaVigne, Paul
Subject: RE:

I think you are right to assume that lagoon would have to pay the full WERF level 5 to get to RO. I think that Paul would agree too. We can check the WERF study is need be, but WERF level 1 is more treatment than a lagoon. So Paul, if the following level of treatment, WERF Level 1, is greater than a typical Montana lagoon, then we will use the method Tina and I are talking about. Is this following treatment more advanced than a lagoon:?

Level	Liquid Treatment	Solids Treatment	1
	Primary Clarifier		
	Activated Sludge		
	Disinfection		
	Dechlorination	Gravity Belt Thickener	
		Anaerobic Digestion with Cogen	
		Centrifugation	
		Conventional Activated Sludge for BOD/TSS removal	

Jeff Blend
(406) 841-5233
jblend@mt.gov

Economist and Energy Analyst
Energy and Pollution Prevention Bureau
Montana Dept. of Environmental Quality
1100 N. Last Chance Gulch
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-----Original Message-----

From: Laidlaw.Tina@epamail.epa.gov [mailto:Laidlaw.Tina@epamail.epa.gov]
Sent: Friday, August 19, 2011 6:39 AM
To: Blend, Jeff
Subject: Re:

Jeff,

I'm back in the office now so feel free to call when you have a minute to chat. I assumed that Level 1 reflected secondary treatment, which is still higher than a lagoon system b/c it assumes a mechanical plant. That's why I didn't subtract anything for lagoons. We should probably confirm the use of this line of thinking with Paul to make sure he agrees.

Tina

Tina Laidlaw
USEPA Montana Office
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406-457-5016

From: "Blend, Jeff" <jblend@mt.gov>
To: Tina Laidlaw/MO/R8/USEPA/US@EPA
Date: 08/18/2011 11:55 AM
Subject:

Tina:

Are we assuming that Cut Bank, Philipsburg and other towns would have to basically start from scratch and pay the entire WERF 5 level, or do we go from WERF 1 to WERF 5? Right now, the first one is assumed in your spreadsheet.

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